

Title (en)

Metallic vapour discharge lamp.

Title (de)

Metalldampfentladungslampe.

Title (fr)

Lampe à décharge à vapeur métallique.

Publication

EP 0543169 A1 19930526 (EN)

Application

EP 92118103 A 19921022

Priority

JP 33161091 A 19911121

Abstract (en)

In a metallic vapour discharge lamp, in whose arc tube (1) provided with electrodes (2) are encapsulated together with mercury and inert gas, whose quantity is adequate for maintaining arc discharges, an adequate quantity of iron and an adequate quantity of a metal, as which at least one of the metals tin, magnesium, bismuth, thallium, cadmium or manganese is selected, as well as halogen, and in particular bromine, whose weight ratio to the total halogen is 0.26% or higher, in such a way that the adhesion of iron to the inside of the arc tube is prevented and consequently a radiation intensity of the ultraviolet rays effective for curing paints or inks is maintained over a long period of time. <IMAGE>

IPC 1-7

H01J 61/18

IPC 8 full level

H01J 61/18 (2006.01)

CPC (source: EP US)

H01J 61/18 (2013.01 - EP US)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 4, no. 13 (M-090)30 January 1980 & JP-A-54 150 873 (MITSUBISHI ELECTRIC CORP) 27 November 1979
- DATABASE WPIL Section Ch, Week 1983, 1983 Derwent Publications Ltd., London, GB; Class L, AN 83-45927K & JP-B-58 018 743 (IWASAKI ELEC KK) 14 April 1983 & PATENT ABSTRACTS OF JAPAN vol. 1, no. 68 (M-024)4 July 1977 & JP-A-52016886 (IWASAKI ELECTRIC CO LTD) 8 February 1977
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